

Date: Sat, 27 Feb 93 20:29:48 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V93 #266
To: Info-Hams

Info-Hams Digest Sat, 27 Feb 93 Volume 93 : Issue 266

Today's Topics:

Daily Solar Geophysical Data Broadcast for 22 February
Daily Solar Geophysical Data Broadcast for 23 February
Daily Solar Geophysical Data Broadcast for 24 February
Elevated Radials
GO FOR IT!
Ham Examination at Univ of MD
Info needed on GPS (2 msgs)
mail list to discuss reorg (was: too darn big!)
Need info on old AEA CP-1 RTTY Decoder
VK2WI Weekly News, 28th February 1993
W9RG filter info needed!!!

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 27 Feb 93 23:18:38 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 22 February
To: info-hams@ucsd.edu

NOTE: DATA AFTER 16:00 UTC WAS NOT AVAILABLE FOR INCLUSION IN THIS REPORT
DUE TO A SCHEDULED POWER OUTAGE.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 053, 02/22/93
10.7 FLUX=133.1 90-AVG=136 SSN=142 BKI=3353 3323 BAI=020
BGND-XRAY=B3.0 FLU1=9.5E+06 FLU10=1.2E+04 PKI=3365 4333 PAI=030
BOU-DEV=***,***,***,***,***,***,***,*** DEV-AVG=*** NT SWF=00:000

XRAY-MAX= C2.3 @ 1302UT XRAY-MIN= B2.4 @ 0420UT XRAY-AVG= B4.6
NEUTN-MAX= +000% @ 0420UT NEUTN-MIN= -004% @ 1410UT NEUTN-AVG= -2.6%
PCA-MAX= +0.1DB @ 0700UT PCA-MIN= -0.3DB @ 0540UT PCA-AVG= +0.0DB
BOUTF-MAX=55413NT @ 0321UT BOUTF-MIN=55365NT @ 0847UT BOUTF-AVG=55398NT
GOES7-MAX=P:+090NT@ 1536UT GOES7-MIN=N:-020NT@ 0806UT G7-AVG=+060,+042,+006
GOES6-MAX=N:+123NT@ 0810UT GOES6-MIN=E:-002NT@ 1546UT G6-AVG=+072,+020,+066
FLUXFCST=STD:135,140,145;SESC:135,140,145 BAI/PAI-FCST=015,010,010/015,010,010
KFCST=2225 5121 1115 5121 27DAY-AP=019,010 27DAY-KP=4444 4332 1343 3211
WARNINGS=
ALERTS=
!!END-DATA!!

Date: 28 Feb 93 00:03:54 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 23 February
To: info-hams@ucsd.edu

NOTE: DATA FOR THIS UT DAY WAS NOT AVAILABLE FOR INCLUSION IN THIS REPORT
DUE TO A SCHEDULED POWER OUTAGE. SOME DATA MAY BE INACCURATE.

!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 054, 02/23/93
10.7 FLUX=132.3 90-AVG=135 SSN=132 BKI=2312 2211 BAI=008
BGND-XRAY=B3.4 FLU1=1.7E+06 FLU10=1.2E+04 PKI=2322 2322 PAI=008
BOU-DEV=***,***,***,***,***,***,***,***,*** DEV-AVG=*** NT SWF=00:000
XRAY-MAX= B9.1 @ 1449UT XRAY-MIN= B2.4 @ ****UT XRAY-AVG= B4.8
NEUTN-MAX= ****% @ ****UT NEUTN-MIN= ****% @ ****OUT NEUTN-AVG= ****%
PCA-MAX= ****DB @ ****UT PCA-MIN= ****DB @ ****UT PCA-AVG= ****DB
BOUTF-MAX=*****NT @ ****UT BOUTF-MIN=*****NT @ ****UT BOUTF-AVG=*****NT
GOES7-MAX=P:****NT@ ****UT GOES7-MIN=N:****NT@ ****UT G7-AVG=****,****,****
GOES6-MAX=N:****NT@ ****UT GOES6-MIN=E:****NT@ ****UT G6-AVG=****,****,****
FLUXFCST=STD:135,140,145;SESC:135,140,145 BAI/PAI-FCST=010,010,015/010,010,015
KFCST=1123 3221 1123 3221 27DAY-AP=010,006 27DAY-KP=1343 3211 2322 2111
WARNINGS=
ALERTS=
!!END-DATA!!

Date: 28 Feb 93 00:35:28 GMT
From: news-mail-gateway@ucsd.edu
Subject: Daily Solar Geophysical Data Broadcast for 24 February
To: info-hams@ucsd.edu

NOTE: DATA FOR THIS UT DAY WAS NOT AVAILABLE FOR INCLUSION IN THIS REPORT
DUE TO A SCHEDULED POWER OUTAGE. SOME DATA MAY BE INACCURATE.

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!!BEGIN!! (1.0) S.T.D. Solar Geophysical Data Broadcast for DAY 055, 02/24/93
10.7 FLUX=135.4 90-AVG=135 SSN=131 BKI=1212 1102 BAI=005
BGND-XRAY=B3.2 FLU1=2.0E+06 FLU10=1.1E+04 PKI=1222 2221 PAI=006
BOU-DEV=***,***,***,***,***,***,***,*** DEV-AVG=*** NT SWF=00:000
XRAY-MAX= C1.8 @ 2039UT XRAY-MIN= B2.4 @ ****UT XRAY-AVG= B4.4
NEUTN-MAX= ****% @ ****UT NEUTN-MIN= ****% @ ***OUT NEUTN-AVG= ****%
PCA-MAX= ****DB @ ****UT PCA-MIN= ****DB @ ****UT PCA-AVG= ****DB
BOUTF-MAX=*****NT @ ****UT BOUTF-MIN=*****NT @ ****UT BOUTF-AVG=*****NT
GOES7-MAX=P:****NT@ ****UT GOES7-MIN=N:****NT@ ****UT G7-AVG=****,****,****
GOES6-MAX=N:****NT@ ****UT GOES6-MIN=E:****NT@ ****UT G6-AVG=****,****,****
FLUXFCST=STD:140,145,150;SESC:140,145,150 BAI/PAI-FCST=005,015,020/010,015,020
KFCST=1112 3211 1234 3322 27DAY-AP=006,004 27DAY-KP=2322 2211 0121 1212
WARNINGS=
ALERTS=**SWEEP:IV=2@2039UTC
!!END-DATA!!
```

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Date: Fri, 26 Feb 1993 20:25:07 GMT
From: usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!hplextra!hpl-
opus!hpnmdla!alanb@network.UCSD.EDU
Subject: Elevated Radials
To: info-hams@ucsd.edu
```

In rec.radio.amateur.misc, feg@cbnewsb.cb.att.com (forrest.e.gehrke) writes:

>In article <1993Feb25.144049.150999@cbfsb.cb.att.com> wstrahl@cbnewsg.cb.att.com
(wayne.a.strahl) writes:

>>

>>The March 1993 issue of QST (Technical Correspondence - page 72) has an
>>article which purports that a few elevated radials can be as effective
>>as the '120 radial standard in-ground groundplane' under .25 wavelength
>>high vertical monopoles. I'm not from Missouri, but can someone please
>>"SHOW ME" if this is in fact true. Is this the secret we've all been
>>looking for for our 80 mtr antenna efficiency problems?

...

>You have to know a lot more about the system. E.g. results are
>affected by the height of the ground plane above ground.

Because the ground is not a perfect conductor, it has loss resistance.
One purpose of the radials is to "shield" the antenna from the ground
to reduce absorption. If the bottom of the antenna (where the radials
are) is too close to the ground, you don't get good shielding action.

A 2 meter ground plane is usually many many wavelengths above ground,
so ground absorption is not a problem. On 80 meters, a wavelength
is over 250 feet. Ground losses are almost a given.

AL N1AL

Date: 27 Feb 1993 23:38:25 GMT
From: usc!howland.reston.ans.net!spool.mu.edu!studsys.mscs.mu.edu!
jason@network.UCSD.EDU
Subject: GO FOR IT!
To: info-hams@ucsd.edu

In article <1993Feb27.172452.23282@cbnewsm.cb.att.com> jeffj@cbnewsm.cb.att.com
(jeffrey.n.jones) writes:

>
>CONGRATS TO YOU!!!!!!
>
>Always glad to see another Extra join our August ranks!

Thanks. Glad to be here.

>weeks later and then passed. Funny thing was it seemed harder to me
>then the Advanced probably because of the short time period. Enough
>rambling. CONGRATS TO YOU ONCE AGAIN! 73 and have fun in that bottom 25!

Well, I really only upgraded so I could help the local VE team, but maybe I'll
do a little more HF work now too. As for the test, I thought the Extra was
EASY except maybe for some of the antenna direction patterns and stuff like
that. Otherwise, the rules and regs were mostly common sense...

Happy hamming! --... ..-- -. ----. .-... ..-

--
Jason Hanson | 915 W. Wisconsin Ave #1010 | (414) 288-2179
Marquette University | Milwaukee, WI 53233-2373 | Ham Radio: N9LEA/AE
-- jason@studsys.mscs.mu.edu ==+== n9lea@n0ary.#nocal.ca.usa.na --

Date: Sun, 28 Feb 1993 00:19:00 GMT
From: swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!ukma!news1.gsfc.nasa.gov!
nssdca.gsfc.nasa.gov!stocker@network.UCSD.EDU
Subject: Ham Examination at Univ of MD
To: info-hams@ucsd.edu

In the past I have seen postings from members of the Univ of MD radio
club on the newsgroup. I have found out that the club sponsors Ham exam
the first Saturday of each Month. The next is scheduled for Mar 6.
However, I haven't been able to find out the time or the place the exam
will be held or a contact. Could anyone give me the information or the
name and number of someone to call.

I called the ARRL about a week ago to ask. They told me that they would send me a list of VEC contacts in the Annapolis, Laurel, Greenbelt MD area. They still haven't come.

So, if I can't get the Univ of Md contact perhaps someone could pass on place and time and contact for exams in the area of any of the above cities. Please email information to me.

thanks,
Erich

Date: Sun, 28 Feb 1993 02:30:06 GMT
From: usc!cs.utexas.edu!torn!utzoo!henry@network.UCSD.EDU
Subject: Info needed on GPS
To: info-hams@ucsd.edu

In article <1993Feb22.221517.26@sssup1.sssup.it> fpc@sssup1.sssup.it writes:
>Someone has informations on the operating principle of GPS (Global
>Positioning Sistem) ?

The basic principle is easy. Each satellite just sends a very precise time signal, plus some information on its exact orbit.

Pretend for a moment that your receiver also has a very precise clock. The known speed of light then gives you distances from each satellite. With one satellite, you're somewhere on a sphere centered on it. The second satellite gives you another sphere, and the intersection of the two is a circle. A third satellite cuts this down to two points, one of which can usually be rejected as implausible (because it's far out in space or deep within the Earth).

Now, the satellites' clocks are kept synchronized with each other. But in real life, your receiver doesn't know what time the satellites think it is. So three satellites define not a point, but a curve, with your position along the curve determined by the (unknown) time offset between the satellite clocks and your receiver's clock. However, take two of those satellites plus a fourth satellite, and determine another curve using that set of three... and the intersection of the two curves fixes both your position and your receiver's time offset.

In practice, a real receiver will take the signals from four (or more) satellites and solve for the best estimate of position and time as a single operation, using more sophisticated methods. But the general idea is the same.

--

C++ is the best example of second-system| Henry Spencer @ U of Toronto Zoology
effect since OS/360. | henry@zoo.toronto.edu utzoo!henry

Date: 28 Feb 93 03:11:10 GMT
From: sdd.hp.com!ux1.cso.uiuc.edu!bradley.bradley.edu!camelot!
darknite@network.UCSD.EDU
Subject: Info needed on GPS
To: info-hams@ucsd.edu

In <C350A8.5H1@zoo.toronto.edu> henry@zoo.toronto.edu (Henry Spencer) writes:

>In article <1993Feb22.221517.26@sssup1.sssup.it> fpc@sssup1.sssup.it writes:
>>Someone has informations on the operating principle of GPS (Global
>>Positioning Sistem) ?

>The basic principle is easy. Each satelllite just sends a very precise
>time signal, plus some information on its exact orbit.

[...]

>Now, the satelllites' clocks are kept synchronized with each other.
>But in real life, your receiver doesn't know what time the satelllites
>think it is. So three satelllites define not a point, but a curve, with
>your position along the curve determined by the (unknown) time offset
>between the satelllite clocks and your receiver's clock. However, take
>two of those satelllites plus a fourth satelllite, and determine another
>curve using that set of three... and the intersection of the two curves
>fixes both your position and your receiver's time offset.

The reason we don't know the exact time signals is because the
government Selective Availability feature (I love that name...)
dithers the time signals coming from the satelllites. This blows
your accuracy. The SA features also dither the ephemeris data,
which blows your accuracy even more. We also have problems due
to atmospheric interference (ionosphere and troposphere) and
multipath.

>In practice, a real receiver will take the signals from four (or more)
>satelllites and solve for the best estimate of position and time as a
>single operation, using more sophisticated methods. But the general
>idea is the same.

There are ways to obtain better accuracy. In particular,
differential GPS uses two (or more) satelllite receivers. The
general scheme is this: put one receiver in a set location, and
determine the position of that point as accurately as humanly

possible (which means, don't use SA single receiver GPS-- your errors will be on the order of tens of meters.) This fixed point is your base station. Your second receiver is the mobile unit.

Now comes the tricky part: The first receiver subtracts out the errors from all sources as one big error term. Since SA, ionospheric, and tropospheric errors are all reasonably global for small distances between base station and mobile (small meaning a range of miles) you can correct the mobile unit with these error figures. This leaves mainly multi-path errors to deal with.

If you have processing power (and some good programmers) to spare, you can also begin to Kalman filter the information, and increase your accuracy even more. Kalman filtering the data is still under research, but the results have been extraordinarily encouraging. This is not surprising, since Kalman filtering is good for navigational applications.

Hope this helps.

>--

>C++ is the best example of second-system| Henry Spencer @ U of Toronto Zoology
>effect since OS/360. | henry@zoo.toronto.edu utzoo!henry

--

"I am an illiterate person. I speak only English."

-Dr. William Hammond, 10-25-91

John S. Novak, III darknite@camelot.bradley.edu

Date: 28 Feb 93 00:45:25 GMT

From: amdahl!amdahl!ikluft@sun.com

Subject: mail list to discuss reorg (was: too darn big!)

To: info-hams@ucsd.edu

blair@dseg.ti.com (Art Blair 952-6341) writes:

>Every day 50 to 100 messages pass thru this group. It's gotten too big to
>keep up with. How many people would like to see some division? [...]

pschleck@cwis.unomaha.edu (Paul W Schleck KD3FU) writes:

>Well, when this has come up in the past, the general feeling is that the
>discussions on this group are far too intertwined to neatly break out
>into sub-heirarchies. [...]

Unfortunately, the traffic volume on rec.radio.amateur.misc seems to have been

following the general UseNet trend which is up, up, up... As it is, we've got more traffic than rec.aviation did when it split into 13 subgroups. Now, I'm not saying that's necessarily the right solution for us, but we probably should look into the alternatives which may be appropriate here. (We have a more complicated situation than other newsgroups because of our linked mail lists like info-hams.)

It would be impossible to come up with a coherent direction by discussion on this large of a newsgroup. I've only seen one example of a procedure which might work in an environment like this.

I'm proposing a mail list be used for a much smaller group of people who are actually interested in looking into the alternatives. One thing this group will need to remember is that it may be possible that the best alternative for us is to change nothing. Then, with that in mind, we should also try to consider all the options. If we decide that a reorg is necessary, this group will write the RFD and, if that succeeds, the CFV.

If you support a reorg but don't expect to have anything to say, you don't need to act now - but watch for any upcoming progress reports & review copies of a proposal, then provide your reaction and show your support.

If you want to be involved in this discussion, you can ask to be added to the mailing list by sending an e-mail note to the mail list I just created:

rra-reorg-request@amdahl.com

The rra-reorg-request mail list just goes to me - I'll add you to the discussion list and tell you what its address is (though it isn't hard to guess.)

[Note: I expect this mail list will have high traffic at times. I expect some people might join and then ask to be removed because there's too much traffic.]

Date: Thu, 25 Feb 1993 01:22:36 GMT
From: usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!hplextra!hpcc05!hpcc01!trapps@network.UCSD.EDU
Subject: Need info on old AEA CP-1 RTTY Decoder
To: info-hams@ucsd.edu

Hi,

I bought a CP-1 used from someone a few years ago and wasn't able to find the obsolete chips (TI TTL line drivers with funny threshold or something). I got desperate and called AEA and they sent me a pair of them free. That's service.

Good Luck,

Steve Trapp, N4DG

Date: Sat, 27 Feb 93 03:27:40 GMT
From: munnari.oz.au!metro!ipso!runxtsa!richardm@network.UCSD.EDU
Subject: VK2WI Weekly News, 28th February 1993
To: info-hams@ucsd.edu

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VK2WI Weekly News Bulletin

for

28th February 1993

THE MAJOR NEWS ITEMS THIS WEEK

It's That Time of Year Again

Radio Free WHAT???

Watch Out for Michelangelo

Hello Siberia!

DIVISIONAL NEWS

The VK2 Divisional AGM will take place on Sunday, 2nd May 1993. Please submit your Council nominations and agenda items to the Parramatta office by the 17th March.

The VK2 Divisional Amateur Radio classes have started, but you can still join when you visit the WIA stand at the Field Day. The VK2 Division also conducts a correspondence course for the various Amateur certificates, and you can progress through the course at your own pace.

The Division also runs Amateur Radio exams every three months; the next exams will be in May. Over the last year, 81 candidates sat for 165 exams at Amateur Radio House, with an average pass rate of 60 per cent.

Amateur Radio classes and exams are conducted by the NSW Division, in the interests of promoting the hobby of Amateur Radio in Australia.

IT'S THAT TIME OF YEAR AGAIN

Daylight Saving Time in New South Wales ends next Sunday, 7th March. Both morning and evening broadcasts stay at their current local time slots of 10am and 7:15pm, but if you listen for us according to Universal Coordinated Time, we will appear an hour later, at 0000 and 0915 UTC.

NEW MEMBERS

Another batch of recruits are in the running for the two Kenwood transceivers. They are:

Gary Barker VK2TSR
Frank Gross
Gerard Hill VK2DAA
Patrick Johnston
Shaughan Linton VK2DSL
D Martin
Glen Prout VK2KIS
Donald Smith VK2BDU
Con Socuuoc VK2AAU

Please join us in welcoming these new members to the oldest division of the oldest Amateur Radio Society in the World.

RADIO FREE WHAT???

Commercial FM stations in the Triple-M network have been restrained from using their new program format ("Radio Free Sydney/Melborne/Brisbane/Whatever"), following court action by a commercial station in Hawaii called, you guessed it, "Radio Free Hawaii".

According to a report in the Sydney Morning Herald this week, the Hawaiian station secured the injunction, alleging that Triple-M was using 'without licence, confidential

information obtained during negotiations with the American station's licensing consultant'.

Why all the fuss, when the two stations service entirely different audiences? Well, it appears that Radio Free Hawaii has emerged from relative obscurity 18 months ago, to become a U.S. market leader, and they don't want other stations to cash in on their success. But Triple-M has declared that the American station has 'no proprietary rights over the words "Radio Free"'.

It's not clear how "Radio Free Europe", "Radio Free Cuba", and "Radio Free Bougainville" feel about all this.

HELLO SIBERIA!

Following a request from Victor UA0APO, and Peter Leroy, the moderator for the Fidonet "RUOZ.CHAT" forum, the weekly news from VK2WI will be making its way into the Commonwealth of Independent States, or at least as far as Moscow, Saint Petersburg, and Khabarovsk in Eastern Siberia. We'd like to welcome these new readers to what looks like shaping up to be a global Amateur news network from VK2WI! :-)

MICHELANGELO'S BIRTHDAY AGAIN

Fans of the Great Masters probably won't need telling, but the great artist Michelangelo's birthday is upon us once more. It's certainly no reason to celebrate if your IBM PC (or compatible) is infected with the Michelangelo virus, which will activate itself on the 6th March if it resides on your PC. Do yourself a favour, and virus scan your PC before then. In any case, it's always a good idea to check any foreign disks before you use them on your system, and don't forget to practice "safe hex", in other words always use the write-protect mechanism on your floppy...

-- a timely reminder from Dave VK2KFU

HELP WANTED

Mark VK2NMG would like to know if anyone has had any

experience with a Chirnside CA-33 HF tri-band antenna. He would appreciate any information on erecting this antenna, and any special requirements, as he is a disabled operator and would like to get the antenna into service as soon as possible.

Mark would also like some help assembling and tuning a Chirnside 2m beam antenna, so if you live in the Auburn or Lidcombe area, perhaps you could lend Mark a hand. Please contact the divisional office if you can be of assistance.

WICEN NEWS

As mentioned last week, the Bungonia Cave Rescue exercise (also known as "Rescue 93") has been cancelled, due to the conditions imposed by the National Parks and Wildlife Service. WICEN regrets any inconvenience caused to its members. Those WICEN personnel who wish to attend a caving exercise are reminded of the Jenolan Cave Rescue exercise, to be held over 16-17 October.

Don't forget the Big NSW Bike Ride, to be held from 27 March to 4 April. It involves up to 3000 cyclists riding over nine days from Port Macquarie to Sydney, camping each night in specified locations along the route. Full services are provided including all meals, medical and washing facilities, entertainment and a luggage service. Riders obtain sponsorships to help people with Multiple Sclerosis, and the ride is a major fund-raising event for the MS Society of NSW. WICEN personnel will be required all the way, so please contact your local coordinator if you wish to help in this worth-while event. At this time it is not known whom the Event Commander will be.

The WICEN Executive Committee meeting will be held next Saturday at Amateur Radio House; the "Clean Up Australia" exercise at "The Gap" next Sunday (contact Kevin VK2CKD for more details), and the Watigan Horse Enduro further north; and the WICEN Sydney North meeting on Wednesday 10th March.

-- Dave VK2KFU, WICEN Publicity Officer

IPS WEEKLY REPORT

19 February - 25 February 1993

Issue no.: 09

Date of issue: 26 February 1993

Date	19	20	21	22	23	24	25
10cm	116	123	123	133	132	135	128
A	08	22	16	22	08	05	(06 estimated)
T	84	108	46	51	58	62	87

Summary of activity

Solar activity was low on the 19th and 20th, and 22nd to 25th February, and moderate on the 21st. There was an M1 flare on the 21st.

The geomagnetic field at Learmonth (WA) was quiet to unsettled on the 19th and 20th, reaching active levels from 0900 to 1500 UTC on the 20th. The field was unsettled to active on the 21st and 22nd, with minor storm levels on the 21st from 1200 to 1500 UTC. The field returned to quiet to unsettled levels on the 23rd, reducing further to quiet levels on the 24th and 25th.

Ionospheric F2 critical frequencies at Sydney were mostly near predicted levels. Frequencies were enhanced by up to 40 per cent for periods on the 20th, 22nd and 25th, and depressed by up to 30 per cent for brief periods on the 21st and 22nd February. Sporadic E was observed on the 19th, and Spread F may have degraded F layer communications for very brief periods on the 19th, 21st, and 22nd. A short wave fadeout may have affected lower frequencies around 0043 UTC on the 21st.

Forecast for the next week (26 February - 4 March)

Solar: Low to moderate.
Geomagnetic: Quiet to unsettled with active and possible minor storm periods 27th February to 1st March.
Ionospheric: 20 per cent enhanced on predicted February values early in the week, near predicted thereafter.

-- Courtesy of IPS Radio and Space Services

IPS also provides a daily solar and geophysical report,
which you can hear by dialling (02) 414-8330.

COMING EVENTS

Radio Amateurs Old Timers net	MONDAY
St George ARS "Show 'n' Tell" Night	WEDNESDAY
Waverly ARC meeting	WEDNESDAY
Blue Mountains ARC monthly meeting	FRIDAY
Special Council Meeting	FRIDAY
WICEN Committee meeting	SATURDAY
ZL DXpedition to Chatham Island	1st to 10th March
NZART 160m "Have a Go" Activity	5th to 7th March
Watigan Horse Enduro (WICEN)	7th March
Clean Up Australia Day (WICEN)	7th March
Daylight Saving Time ends	7th March
St George ARS Amateur Radio Classes commence . . .	8th March
Sydney North WICEN meeting	10th March
Delayed STS-55 Shuttle mission begins	TBA mid-March
St George ARS Auction	13th March
Federal Election Day	13th March
Rescue 93 at Bungonia Caves (WICEN)	CANCELLED
Orange and District ARC auction	14th March
WICEN Sydney South meeting	16th March
VK2 AGM nominations and agenda items close . . .	17th March

CLUB NEWS

The next RADIO AMATEURS OLD TIMERS CLUB will have its next series of net and callbacks on Monday, 1st March. The times are as follows:

10am Daylight Saving Time (Melbourne) = 2300 Z, on
147.500 MHz FM, and 7.060 MHz LSB;

11am DST (Melbourne), or 2400 Z, on 14.150 MHz USB,
beaming north from Melbourne;

12 noon DST (Melbourne), or 0100 Z, on 14.150 MHz,
beaming west from Melbourne.

Callbacks will follow each transmission on the stated frequencies.

Also, please note that for the first time, the net will also take place at 8:30pm (0930 Z) on Monday night, on a frequency of 3.635 MHz plus or minus QRM.

-- Allan Doble VK3AMD

The next meeting of the WAVERLEY AMATEUR RADIO SOCIETY will be on next Wednesday, March 3rd at the Clarrie Martin Community Centre, 61 Newland Street, Bondi Junction. The Guest lecturer will be a member of the Volunteer Coast Guard to talk about their radio communications. All are welcome.

-- Eric VK2KUR

The next meeting of the ST GEORGE AMATEUR RADIO SOCIETY will be held at the usual venue of the 1st Allawah Scout Hall, corner of Bellvue Parade and Blakesley Road, South Hurstville, on Wednesday 3rd March, starting at 7:30pm. the meeting has been designated a "Show and Tell" night, where members and friends are invited to bring along any suitable project they have built (or may still be building), and demonstrate it to the club. It doesn't have to be a radio project: if it's "a better mousetrap", the meeting would like to know about it. Visitors are always welcome to these club meetings.

Members and interested listeners are advised that on Saturday 13 March, the Society will hold its annual Allan Pettiford Memorial Auction at the club meeting place of the 1st Allawah Scout Hall in South Hurstville. Equipment for auction will be accepted between 10 and 11am; it can be inspected between 11am and 12 noon, when the auction begins.

For more information, please contact Society President Phil VK20X, at home on (02) 520-2828.

-- Allan VK2XF

The BLUE MOUNTAINS AMATEUR RADIO CLUB will hold its monthly meeting on Friday the 5th of March at 8 pm, at Springwood High School in Faulconbridge. The speaker will be Terry,

VK2UX, who will talk about foxhunting and foxhunting receivers. Members and non members are equally welcome.

-- Waldis, VK2DXV.

The next meeting of the ORANGE AND DISTRICT AMATEUR RADIO CLUB is on this Friday, 5th March, at 7:30pm, in the Cultural Centre, Sale Street, Orange.

Everyone is invited to the Orange club's fund-raising auction and informal get-together, which takes place on Sunday, 14th March, starting at 2pm. The venue is the City Council Works Depot, McLachlan Street. Off-street parking will be available, and there will be a "talk-in" on the local repeater ("Fred") on 146.700 MHz. Sellers should arrive between 10am and 12 noon, and buyers will be allowed in after 1:30pm.

Sellers are asked to complete a form for cataloguing: details from Peter VK2ETK at PO Box 1065, Orange NSW 2800, or by telephoning (063) 61-3439 after hours.

If you buy too much at Wyong, come to Orange to unload and unwind. You may talk about anything except the election! A special invitation to amateurs from the Blue Mountains westward: come and enjoy beautiful Orange on 14th March.

-- Peter VK2ETK

BROADCAST ROSTER

Tomorrow evening:	Bill VK2FBI and Paul VK2GYO
Next Sunday morning:	Peter VK2BPN and Peter VK2JPJ
Next Sunday evening:	Alan VK2XAT and Steve VK2QZ

The divisional office is open from 11am to 2pm, Monday to Friday, and 7 to 9pm Wednesday nights. The phone is answered from 12 noon to 1pm during the day, and you can leave a message on the answering machine outside these hours.

This bulletin is available on the VKNET packet radio network, and on the Usenet and FidoNet computer networks.

Parts of this bulletin may be heard from the following

sources:

Hunter Branch's Monday night broadcasts, on 80m, 10m, 2m, and 70 and 23cm.

In Sydney, the Gladesville Amateur Radio Club's test transmissions on television channel 35, Wednesdays at 7:30pm and Fridays at 7pm.

The Sydney Radio Group's Wednesday night net, on 27MHz CB channel 33, starting at 7:30pm.

News highlights are also available on the divisional voice mailbox on (02) 552-5188, and you can leave a message afterwards if you wish.

Items for inclusion in this bulletin may be sent by mail to Post Office Box 1066, Parramatta 2124; by fax on (02) 633-1525, or by packet radio to "VK2WI@VK2RWI.NSW.AUS.OC", to reach us by 7pm on the Friday prior to the broadcast.

VK2WI Weekly News, 28th February 1993. Copyright 1993 WIA (NSW) and contributors. Extracts from this bulletin may be used elsewhere provided the source is acknowledged.

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Richard P. Murnane	"Making it up? Making it up? Why should
Internet: richardm@runx.oz.au	I want to make anything up? Life's bad
UUCP: uunet!runx.oz.au!richardm	enough without inventing more of it."
Packet: VK2SKY @ VK2RWI.NSW.AUS.OC	- Marvin the Paranoid Android

Date: Fri, 26 Feb 1993 20:17:07 GMT
From: usc!sdd.hp.com!col.hp.com!news.dtc.hp.com!hpscit.sc.hp.com!hplextra!hpl-opus!hpnmdla!alanb@network.UCSD.EDU
Subject: W9RG filter info needed!!!
To: info-hams@ucsd.edu

In rec.radio.amateur.misc, ag821@yfn.ysu.edu (Jeff Gold) writes:

>I believe you mean the W9GR filter. There is a big backlog waiting
>for these. I ordered mine in Nov. and am scheduled to get it in
>March. They had some problem with Texas Instruments and their chips
>The good news is that instead of needing seperate chips for different
>functions, there are now 10 Front Panel selectable modes. The newer
>model is \$132 with Shipping and hanling. Worth waiting for from what I have

>heard from people who are using them.

The TI part problem should only apply to the newer \$132 model with all the whizzy functions. If you can get by with the older \$90 model, it uses a standard TMS320C10 chip which is readily available. The simpler model has the noise reduction filter and the automatic multi-frequency notch filter, but not the selectable bandpass CW filters.

AL N1AL

Date: Sat, 27 Feb 1993 23:04:24 GMT
From: swrinde!zaphod.mps.ohio-state.edu!darwin.sura.net!convex!constellation!
osuunx.ucc.okstate.edu!olesun!gcouger@network.UCSD.EDU
To: info-hams@ucsd.edu

References <1miu8kINN6lc@west.West.Sun.COM>, <pschleck.730701899@cwis>,
<paulf.730750776@abercrombie.Stanford.EDU>s
Subject : Re: too darn big!

In article <paulf.730750776@abercrombie.Stanford.EDU>
paulf@abercrombie.Stanford.EDU (Paul Flaherty) writes:
>At least part of the reason that flamitute still shows up in the .misc group
>is education; I've noticed that a not-so-subtle "move this discussion to
>.policy" message, along with the correct followup line, seems to quell things.

The flames are an order of magnitude less than before the split. Rec.radio.info also helps in making a place for the solar forecast, space news and such. Unless some great and fearless leader (they also need to flame proof) comes forward and is willing to edit a several groups and channel thing in some order I think that this is about as good as it gets.

Gordon AB5Dg
Gordon Cougar
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gcouger@olesun.agen.okstate.edu 405-744-9763 day 624-2855 evenings

End of Info-Hams Digest V93 #266
